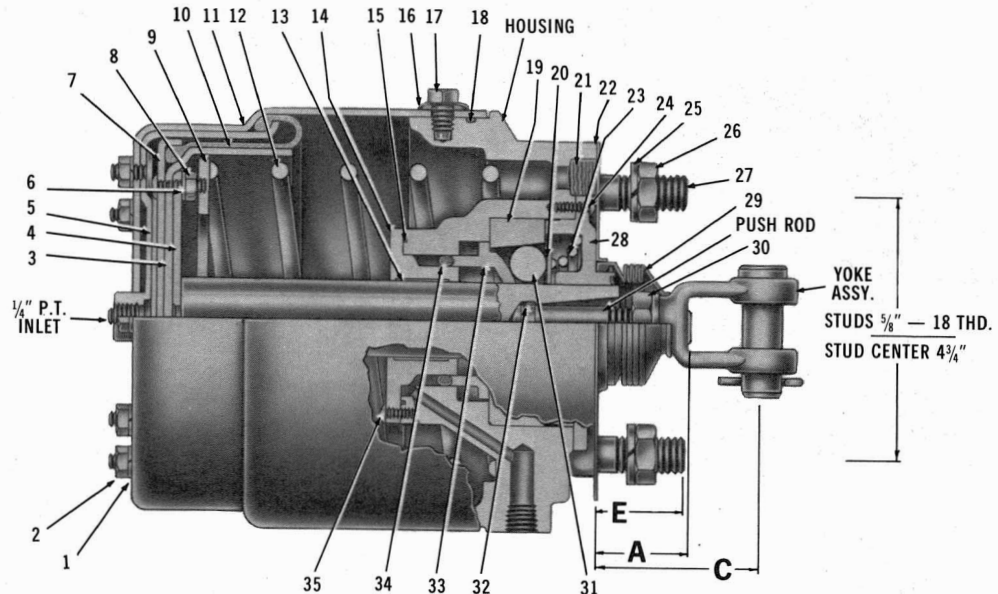
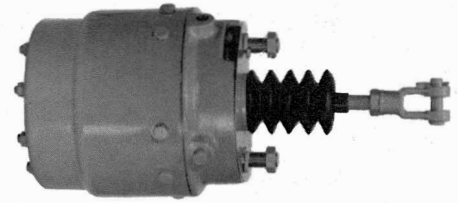


SD-3 ROTO SAFETY ACTUATOR TYPE 36

The SD-3 Roto Safety Actuator is basically a rotochamber. It includes all the same features plus a mechanical locking mechanism for parking. The SD-3 is generally found on off-highway vehicles. It provides the three basic functions of: Service and emergency braking and parking.

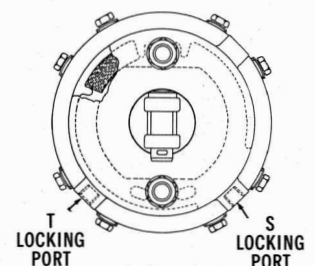
For installation and maintenance information, see Instruction and Service Data Sheet, SD-40.



MAINTENANCE KIT FOR
SD-3 ROTO S.A. IS
PC. NO. 281952.

| NO. | PC. NO. | QUAN. | DESCRIPTION | NO. | PC. NO. | QUAN. | DESCRIPTION |
|-----|---------|-------|-----------------------|-----|---------|-------|--|
| 1 | 202982 | 8 | LOCK WASHER | 18 | 240537 | 1 | HOUSING O RING, 6 $\frac{3}{4}$ " O.D. |
| 2 | 203145 | 8 | NUT | 19 | 243686 | 1 | COLLAR |
| 3 | 231536 | 1 | DIAPHRAGM GUIDE | 20 | 243688 | 1 | WASHER |
| 4 | 278901 | 1 | SHAFT | 21 | 243725 | 1 | FELT |
| 5 | 222259 | 1 | OUTER DIAPHRAGM CLAMP | 22 | 243694 | 1 | SPLASH GUARD |
| 6 | 202981 | 8 | LOCK WASHER | 23 | 243689 | 1 | ROLLER SPRING |
| 7 | 277830 | 1 | INNER DIAPHRAGM CLAMP | 24 | 243683 | 4 | #10-24 RD. HD. MACH. SCREW & WASHER |
| 8 | 203147 | 8 | NUT | 25 | 202986 | 2 | LOCK WASHER |
| 9 | 243677 | 1 | SPRING SEAT | 26 | 204781 | 2 | NUT |
| 10 | 231534 | 1 | DIAPHRAGM | 27 | 243693 | 2 | STUD |
| 11 | 231533 | 1 | BODY | 28 | 278906 | 1 | CAP |
| 12 | 243678 | 1 | RETURN SPRING | 29 | 243727 | 1 | BOOT |
| 13 | 243681 | 1 | BEARING | 30 | 204781 | 1 | NUT |
| 14 | 243680 | 1 | COVER | 31 | 243687 | 8 | ROLLER |
| 15 | 243682 | 1 | COVER O RING, 3" O.D. | 32 | 241993 | 1 | RETAINING RING |
| 16 | 245041 | 8 | SEALING WASHER | 33 | 243685 | 1 | PISTON |
| 17 | 244357 | 8 | CAP SCREW | 34 | 243684 | 1 | PISTON O RING, 2 $\frac{3}{4}$ " O.D. |
| | | | | 35 | 243683 | 4 | #10-24 RD. HD. MACH. SCREW & WASHER |

| SD3 ROTO SAFETY ACTUATOR (TYPE 36) PC. NO. | HOUSING | PUSH ROD | YOKE ASSY. | A ROD END TO PLATE | C YOKE PIN TO PLATE | E STUD END TO PLATE | LOCKING PORT | |
|---|---------|-------------|---------------|-----------------------------|------------------------------|------------------------------|-----------------|-----------------|
| | PC. NO. | PC. NO. | PC. NO. | | | | S P.T. | T P.T. |
| 278905 | 243698 | 242398 | 229496 | 1 $\frac{1}{16}$ " | 3" | 1 $\frac{9}{16}$ " | $\frac{1}{4}$ " | — |
| 278907 | 243698 | 241992 | 228790 | 10 $\frac{7}{16}$ " | 11 $\frac{9}{16}$ " | 1 $\frac{9}{16}$ " | $\frac{1}{4}$ " | — |
| 279016 | 243700 | 242398 | 229496 | 1 $\frac{1}{16}$ " | 3" | 1 $\frac{9}{16}$ " | — | $\frac{1}{4}$ " |
| 279017 | 243700 | 241992 | 228790 | 10 $\frac{7}{16}$ " | 11 $\frac{9}{16}$ " | 1 $\frac{9}{16}$ " | — | $\frac{1}{4}$ " |
| 279813 | 244604 | 242398 | 278449 | 1 $\frac{1}{16}$ " | 2 $\frac{3}{4}$ " | 1 $\frac{9}{16}$ " | $\frac{1}{4}$ " | $\frac{1}{4}$ " |



SD-3 ROTO S.A. (36) NOT AVAILABLE IN REMFR. EXCH.

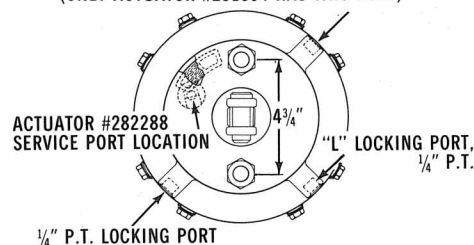
6/76 Printed in U.S.A.

SD-3 ROTO SAFETY ACTUATOR TYPE 50

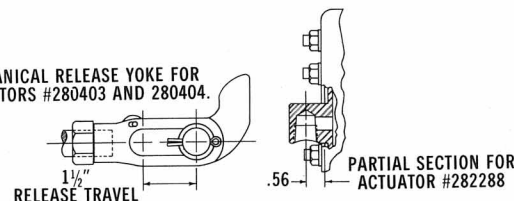
The SD-3 Roto Safety Actuator is basically a rotochamber. It includes all the same features plus a mechanical locking mechanism for parking. The SD-3 is generally found on off-highway vehicles. It provides the three basic functions of: Service and emergency braking and parking.

For installation and maintenance information, see Instruction and Service Data Sheet, SD-40.

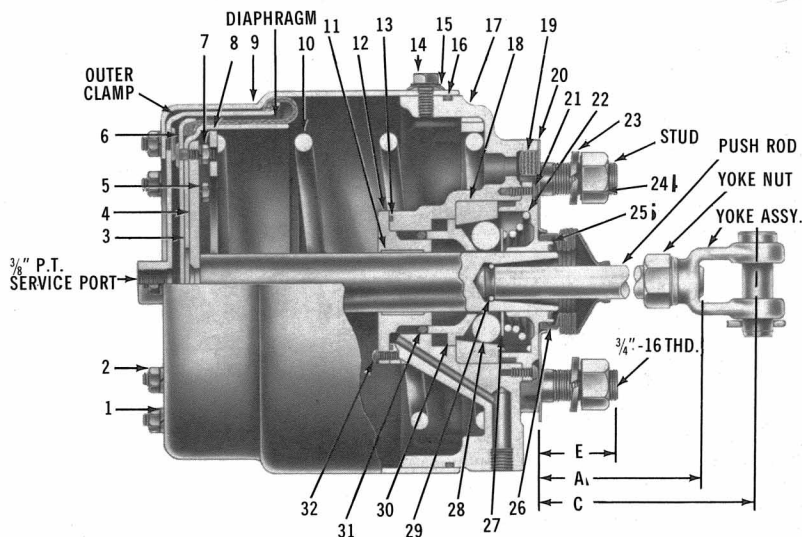
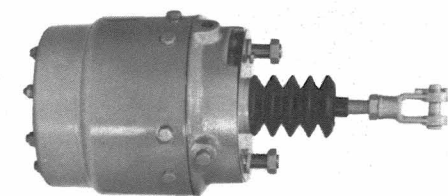
"M" LOCKING PORT, 1/4" P.T.
(ONLY ACTUATOR #281594 HAS THIS PORT)



MECHANICAL RELEASE YOKE FOR
ACTUATORS #280403 AND 280404.



MAINTENANCE KIT FOR SD-3 ROTO S.A.
IS PC. NO. 282351.



| NO. | PC. NO. | QUAN. | DESCRIPTION | NO. | PC. NO. | QUAN. | DESCRIPTION |
|-----|---------|-------|-----------------------|-----|---------|-------|------------------------|
| 1 | 202982 | 8 | LOCKWASHER | 17 | 244122 | 1 | HOUSING |
| 2 | 203145 | 8 | NUT | 18 | 243686 | 1 | COLLAR |
| 3 | 231494 | 1 | DIAPHRAGM GUIDE | 19 | 243725 | 1 | FELT |
| 4 | 279343 | 1 | SHAFT | 20 | 244128 | 1 | SPLASH GUARD |
| 5 | 202981 | 8 | LOCKWASHER | 21 | 243683 | 4 | 10-24 SCREW AND WASHER |
| 6 | 280523 | 1 | INNER DIAPHRAGM CLAMP | 22 | 243689 | 1 | ROLLER SPRING |
| 7 | 203147 | 8 | NUT | 23 | 202987 | 2 | 3/4\"/> |

| SD3 ROTO SAFETY ACTUATOR (TYPE 50) PC. NO. | PUSH ROD PC. NO. | YOKE ASSY. PC. NO. | YOKE NUT PC. NO. | DIAPHRAGM | | OUTER CLAMP PC. NO. | STUD (2 REQ'D.) PC. NO. | A ROD END TO PLATE INCHES | C YOKE PIN TO PLATE INCHES | E STUD END TO PLATE INCHES |
|---|------------------------|--------------------------|------------------------|---------------|----------|---------------------------|-------------------------------|------------------------------------|-------------------------------------|-------------------------------------|
| | | | | S.B.R. RUBBER | NEOPRENE | | | | | |
| 279255 | 244134 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 3 1/8 | 4 3/8 | 1 7/8 |
| 279342 | 244124 | — | — | 231491 | — | 222233 | 244126 | 10 9/16 | — | 1 7/8 |
| 280423 | 244997 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 4 3/16 | 5 1/2 | 1 7/8 |
| 280403 | 244984 | 280398 | 203008 | 231491 | — | 222233 | 244126 | 3 3/16 | 5 1/2 | 1 7/8 |
| 280404 | 244985 | 280398 | 203008 | 231491 | — | 222233 | 244126 | 5 1/16 | 7 3/8 | 1 7/8 |
| 280703 | 245277 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 6 1/8 | 7 3/8 | 1 7/8 |
| 280782 | 245353 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 8 1/8 | 9 1/2 | 1 7/8 |
| A281594 | 244134 | — | — | 231491 | — | 222233 | 244126 | 3 3/8 | — | 1 7/8 |
| 281595 | 246032 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 2 1/2 | 3 11/16 | 1 7/8 |
| 281716 | 244985 | — | — | — | 236531 | 222233 | 244126 | 5 1/16 | — | 1 7/8 |
| 281666 | 244985 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 5 1/16 | 6 1/4 | 1 7/8 |
| 281667 | 246400 | 282592 | 203008 | 231491 | — | 222233 | 244126 | 11 9/16 | 12 3/4 | 1 7/8 |
| 282288 | 246032 | 282592 | 203008 | 231491 | — | 282339 | 244126 | 2 1/2 | 3 13/16 | 1 7/8 |
| 282465 | 244134 | 282592 | 203008 | 231491 | — | 222233 | 244858 | 3 1/8 | 4 3/8 | 2 5/8 |

A — SUBSTITUTE HOUSING 246030 FOR ITEM #17. THIS HOUSING HAS L AND M LOCKING PORTS ONLY.

SD-3 ROTO S.A. (50) NOT AVAILABLE
IN REMFR. EXCH.